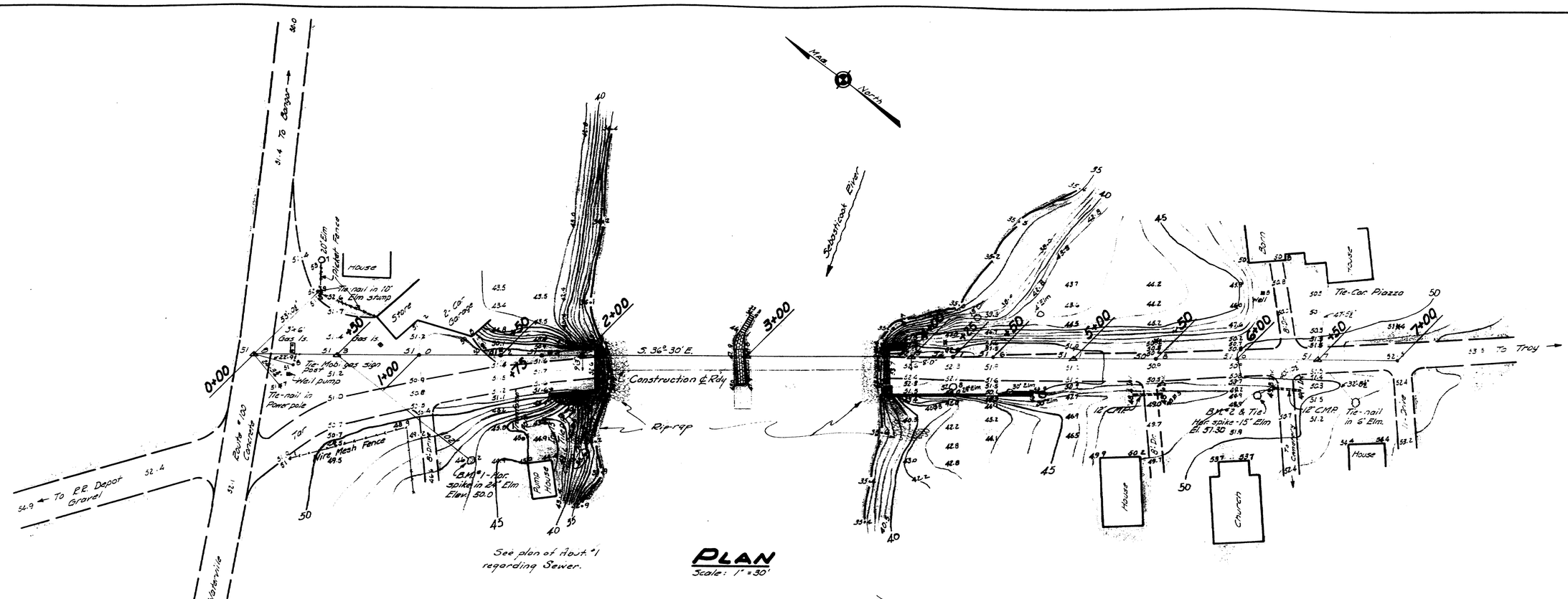


PLAN
Scale: 1" = 30'

PROFILE - SURVEY LINE
Scales: Hor. 1" = 30' Vert. 1" = 5'

GENERAL NOTES

SUPERSTRUCTURE: Pin connected Through Steel Truss, built by Groton Bridge Co., Groton, N.Y. in 1893. Bearing Pins c-c; span #1, 84'-0"; span #2, 86'-6". Clear roadway 16'-0". Trusses 18'-2" c-c. 5'-0" sidewalk cantilevered on brackets. All badly rusted and in poor condition.
14 - 3"x12" wood stringers under roadway and 3-3"x12" wood stringers under sidewalk. 3"x5" laminated wood floor under roadway, with 2" plank wheel tracks. 2" sidewalk plank, 6"x6" wood curbs. Poor condition. Wrought Iron Rail on sidewalk and Pipe rail on roadway side.

SUBSTRUCTURE: Rubble Masonry laid dry with plumb faces, in good condition. Abuts. under sidewalk separate from Abuts. under roadway and are battered; not so well laid as roadway abuts., but in good condition. Nose of Pier has joints pointed up and Pier is in good condition.

STREAM: Controlled by C.M.P. Co. Dam up stream. Moderate current at present stage. High water, Mar 1936 - 48.65.

FOUNDATION: Stream bed covered with rocks and gravel. Field stone dumped in front of abutments and around Pier.

APPROACHES: Surface treated gravel. No sidewalks.

SURVEY - FERGUSON
PLOT - CLARK
TRACE -

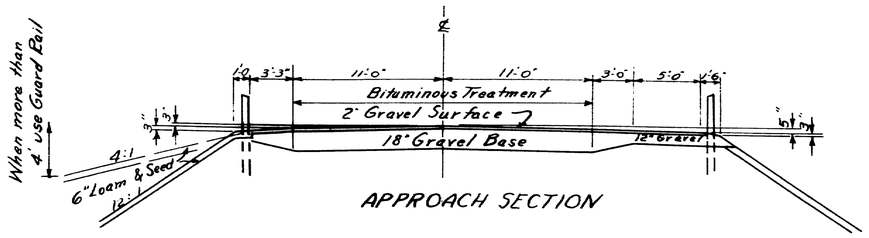
BRIDGE - 5257

STATE HIGHWAY COMMISSION
BRIDGE DIVISION

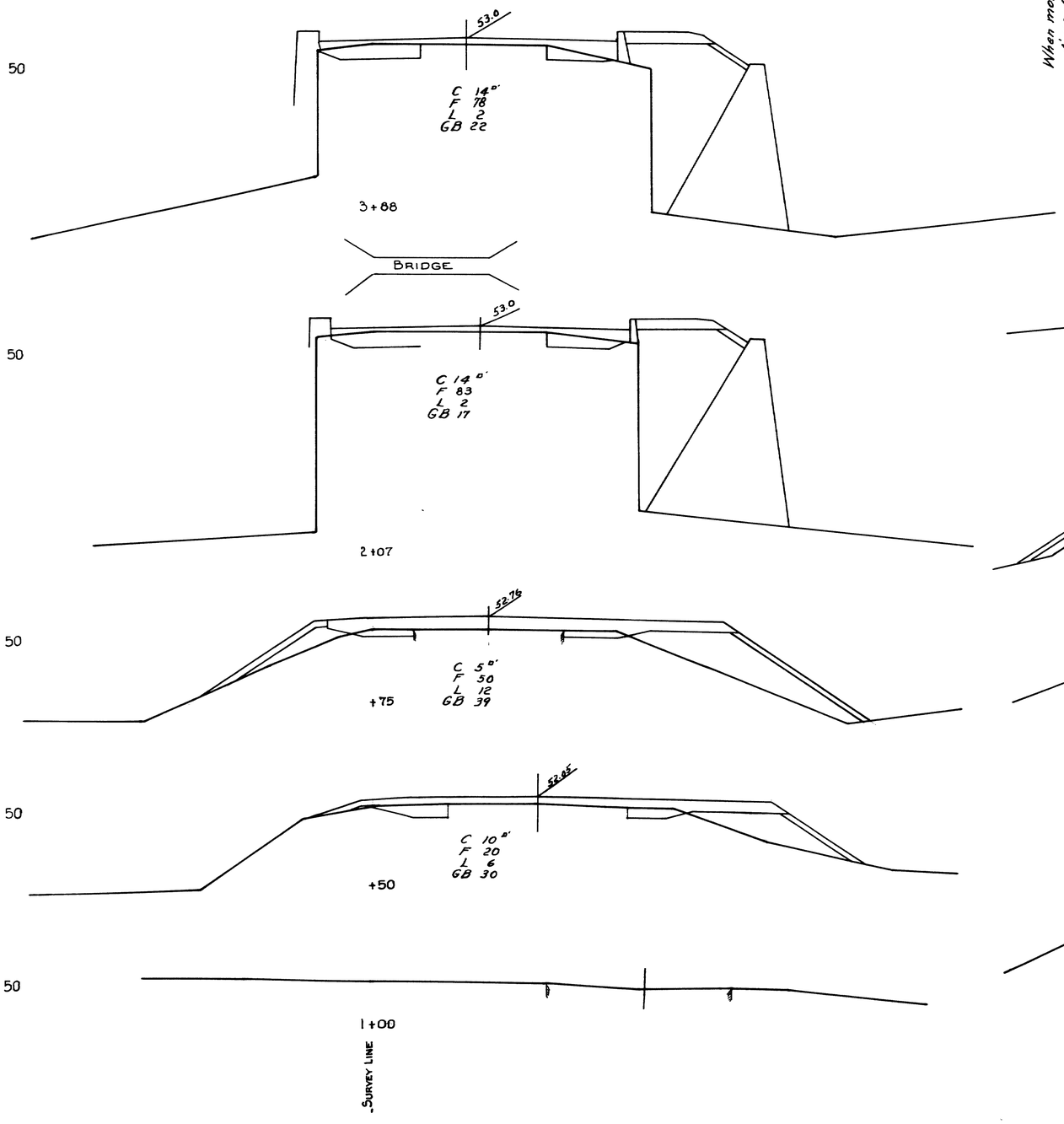
VILLAGE BRIDGE
OVER
SEBASTICOOK RIVER
IN THE TOWN OF
BURNHAM
WALDO COUNTY
SURVEY

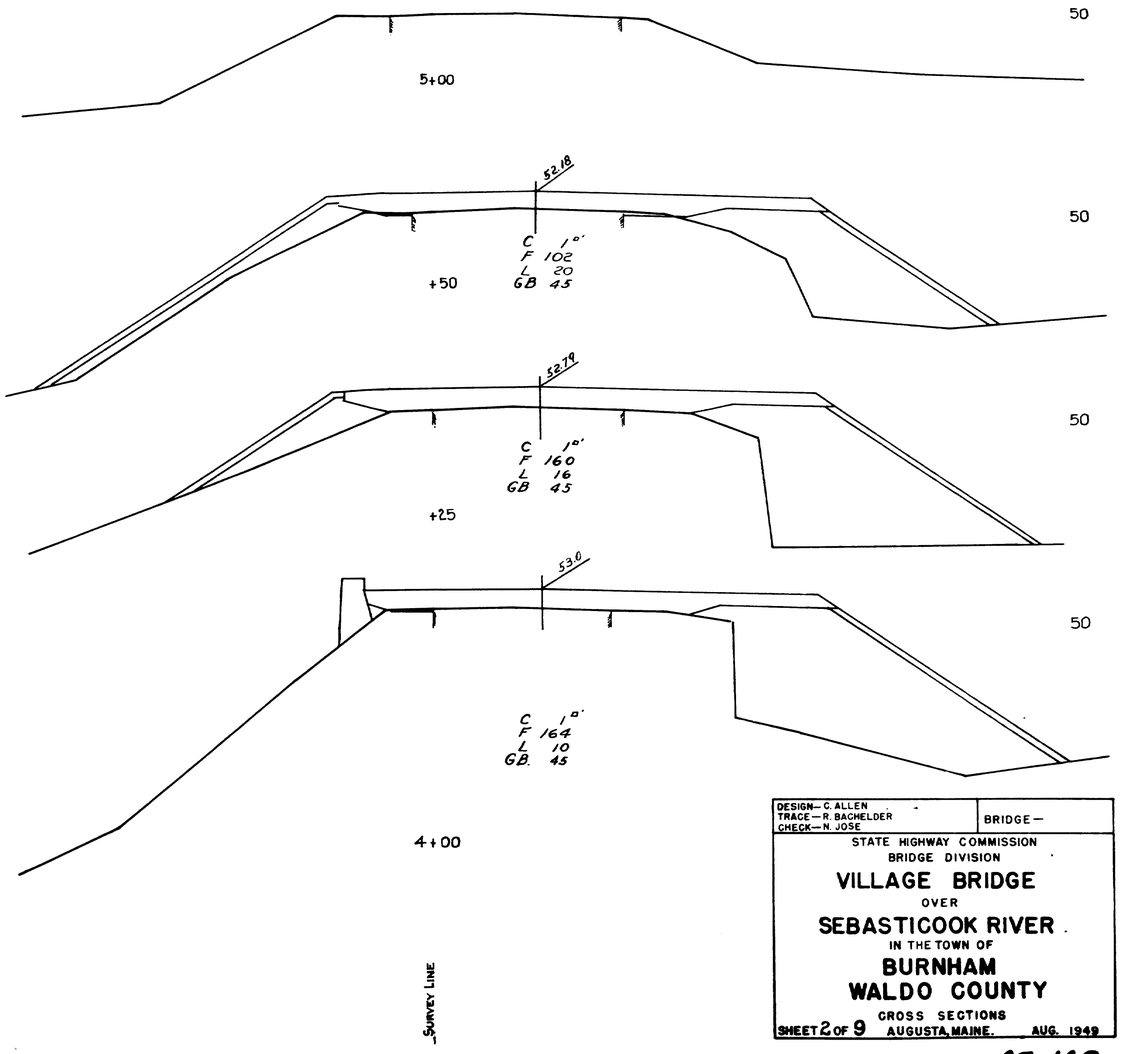
SHEET 1 OF 9. AUGUSTA, MAINE DEC. 1940

47-168



APPROACH SECTION





0 1 2 3 4 5 INCHES

DESIGN— C. ALLEN TRACE— R. BACHELDER CHECK— N. JOSE	BRIDGE—

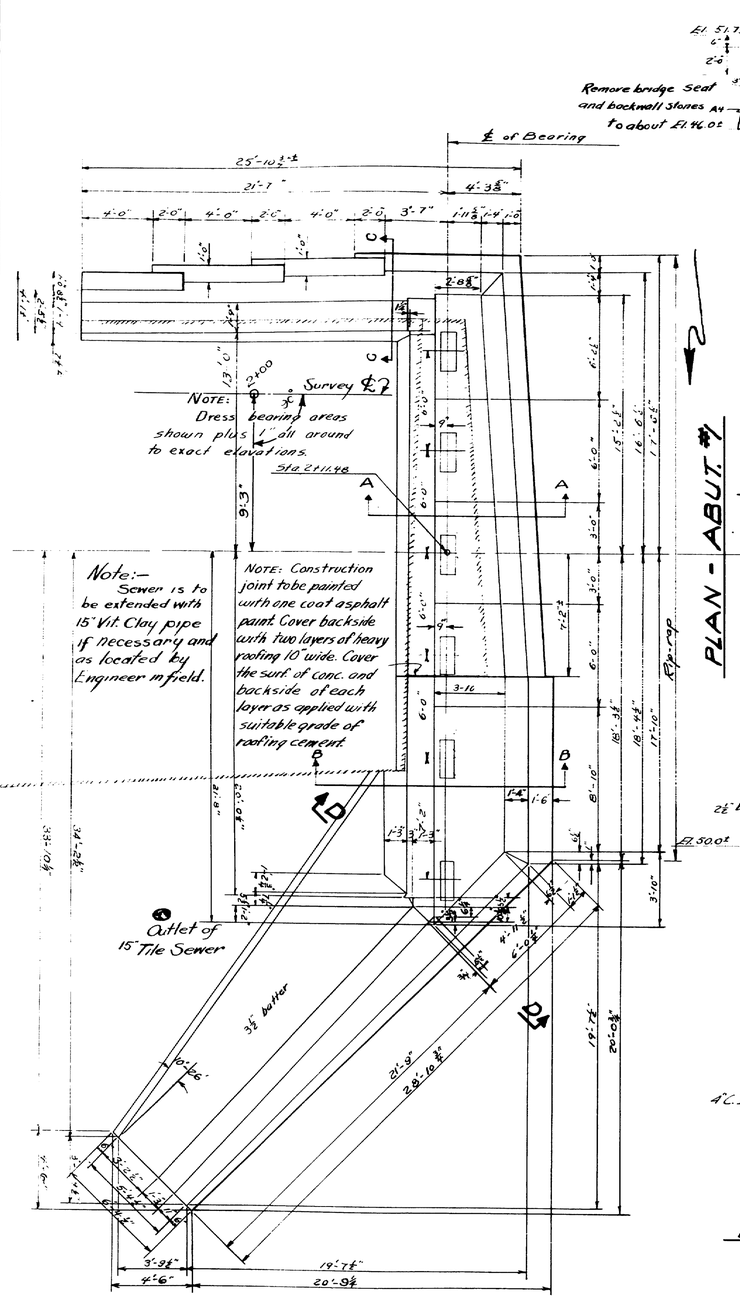
STATE HIGHWAY COMMISSION
BRIDGE DIVISION

VILLAGE BRIDGE
OVER
SEBASTICOOK RIVER
IN THE TOWN OF
BURNHAM
WALDO COUNTY

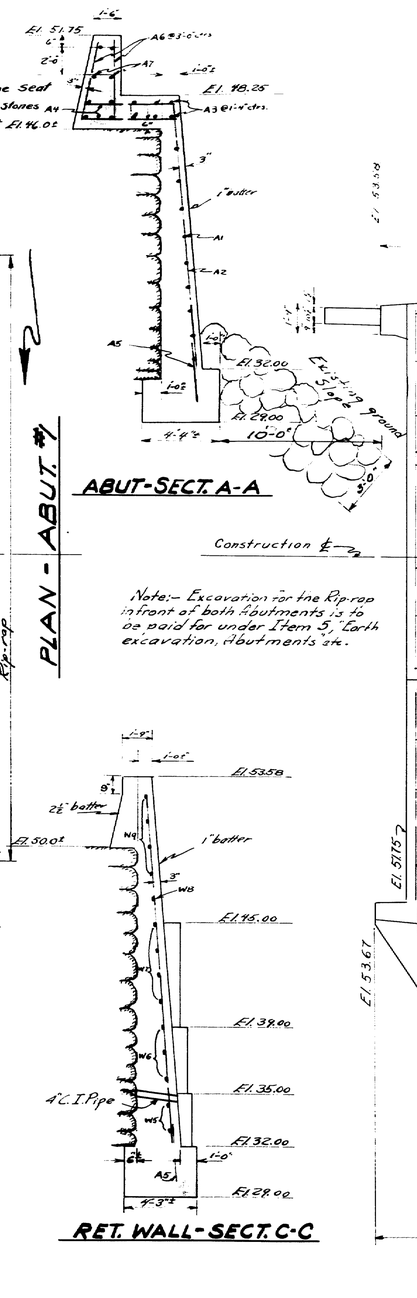
CROSS SECTIONS

SHEET 2 OF 9 AUGUSTA, MAINE. AUG. 1949

47-169

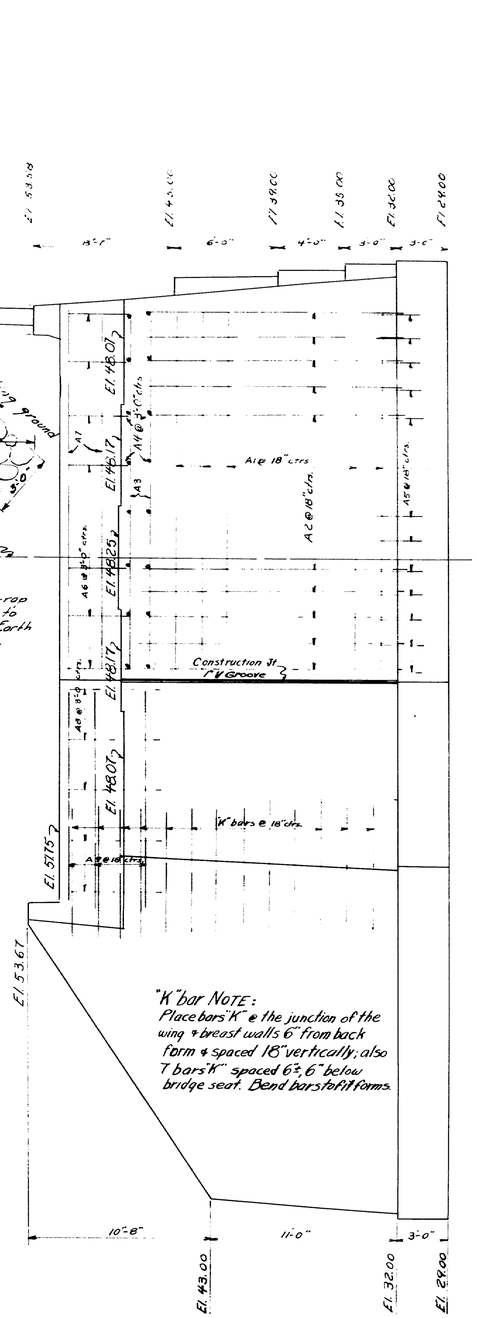


PLAN - ABUT. #1

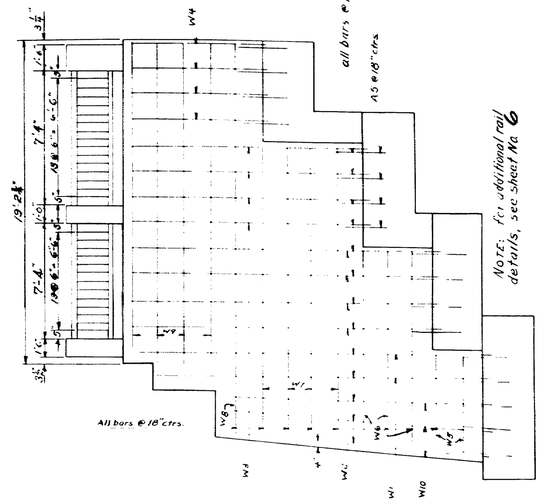


ABUT-SECT. A-A

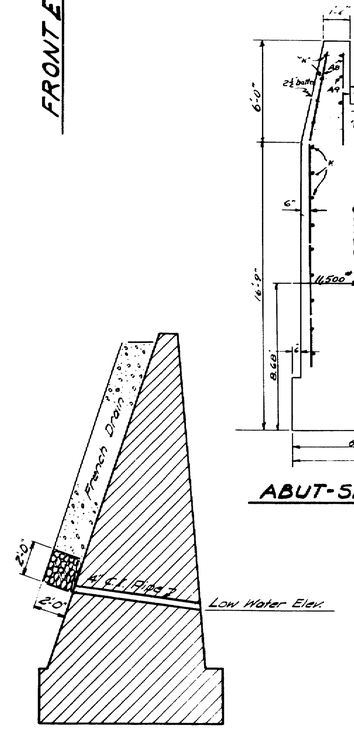
RET. WALL - SECT. C-C



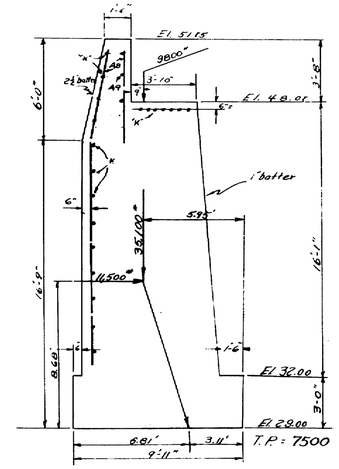
FRONT ELEV. - ABUT. #1



SIDE ELEV. - ABUT. #1



SECT. D-D



ABUT-SECT. B-B & ANALYSIS

U.S. Retaining Wall replaced by mass concrete wing Sept. 1949

DESIGN — L.R.M.
TRACE — L.R.M.
CHECK — C.W.P.

BRIDGE — 5257

STATE HIGHWAY COMMISSION
BRIDGE DIVISION

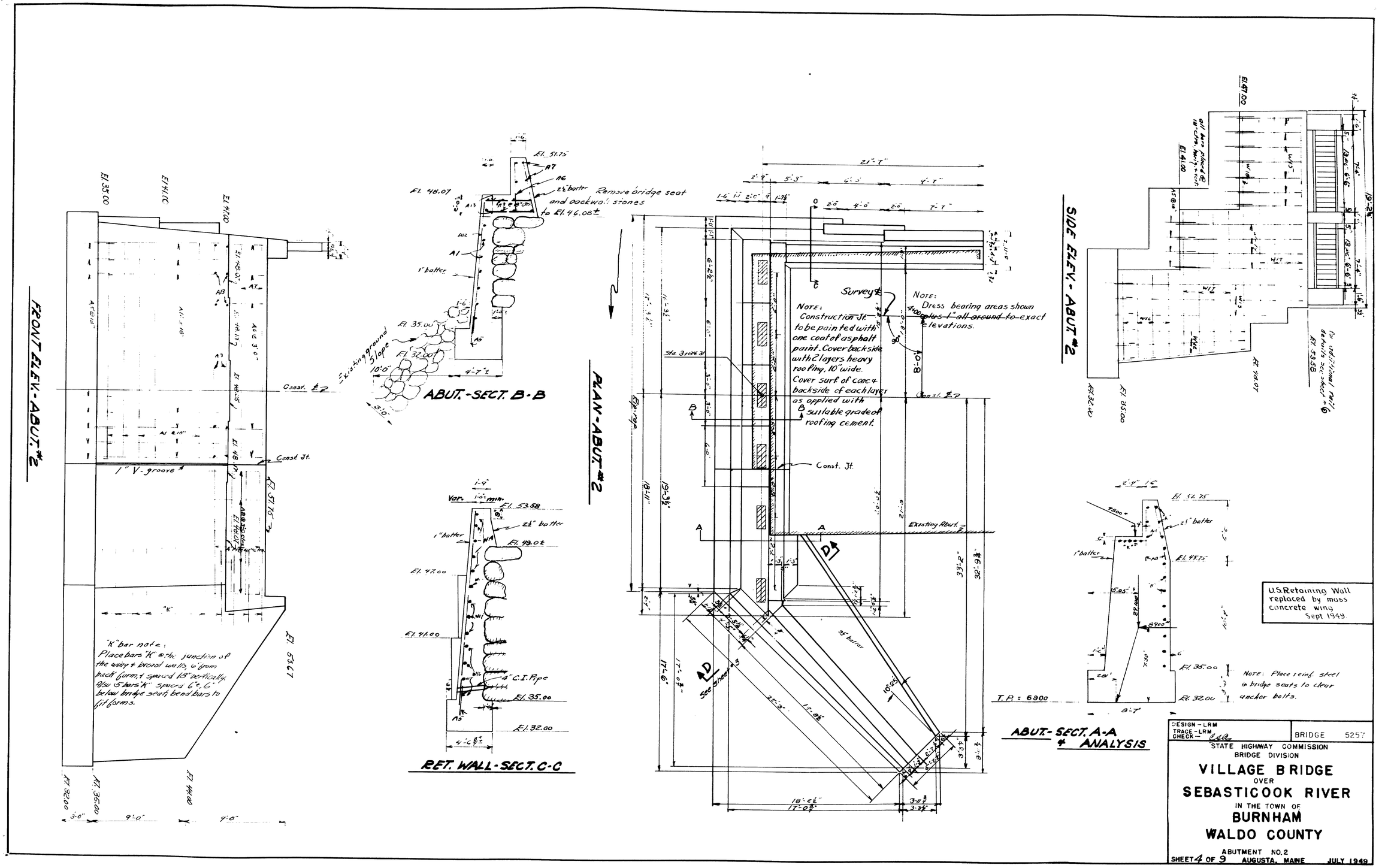
VILLAGE BRIDGE
OVER
SEBASTICOOK RIVER
IN THE TOWN OF
BURNHAM
WALDO COUNTY

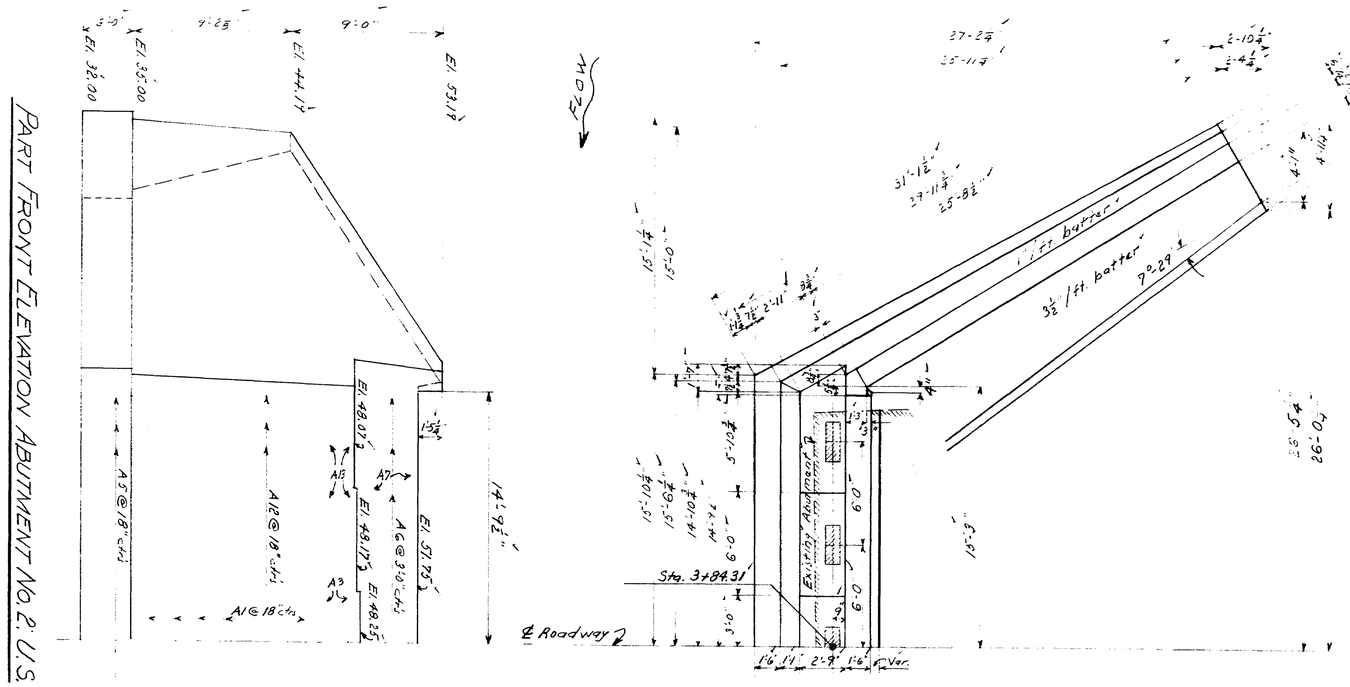
ABUTMENT No. 1

SHEET 3 OF 9 AUGUSTA, MAINE JULY 1949

47-170

0 1 2 3 4 5 INCHES


FRONT ELEV.-ABUT. #2
ABUT.-SECT. B-B
PLAN-ABUT. #2
SIDE ELEV.-ABUT. #2
RET. WALL-SECT. C-C
ABUT.-SECT. A-A & ANALYSIS
Remove bridge seat and backwall stones to El. 46.08±
Existing ground slope
Survey ℄
Note: Construction Jt. to be painted with one coat of asphalt paint. Cover backside with 2 layers heavy roofing, 10" wide. Cover surf. of conc. & backside of each layer as applied with suitable grade of roofing cement.
Note: Dress bearing areas shown plus 1" all around to exact elevations.
Const. Jt.
Existing Abut.
See Sheet #3
"K" bar note: Place bars "K" @ the junction of the wing & breast walls, 6" from back form, & spaced 18" vertically. Also 5 bars "K" spaced 6" & 6" below bridge seat, bend bars to fit forms.
Note: Place reinf. steel in bridge seats to clear anchor bolts.
T.P. = 6900
U.S. Retaining Wall replaced by mass concrete wing Sept 1949.
DESIGN - LRM
TRACE - LRM
CHECK -
BRIDGE 5257
STATE HIGHWAY COMMISSION
BRIDGE DIVISION
VILLAGE BRIDGE
OVER
SEBASTICOOK RIVER
IN THE TOWN OF
BURNHAM
WALDO COUNTY
ABUTMENT NO. 2
SHEET 4 OF 9 AUGUSTA, MAINE JULY 1949
47-171



PART FRONT ELEVATION ABUTMENT No. 2. U.S.

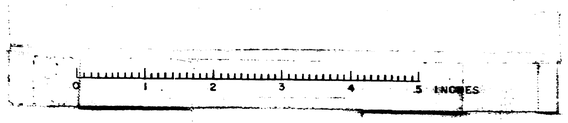
PART PLAN ABUTMENT No. 2. U. S.

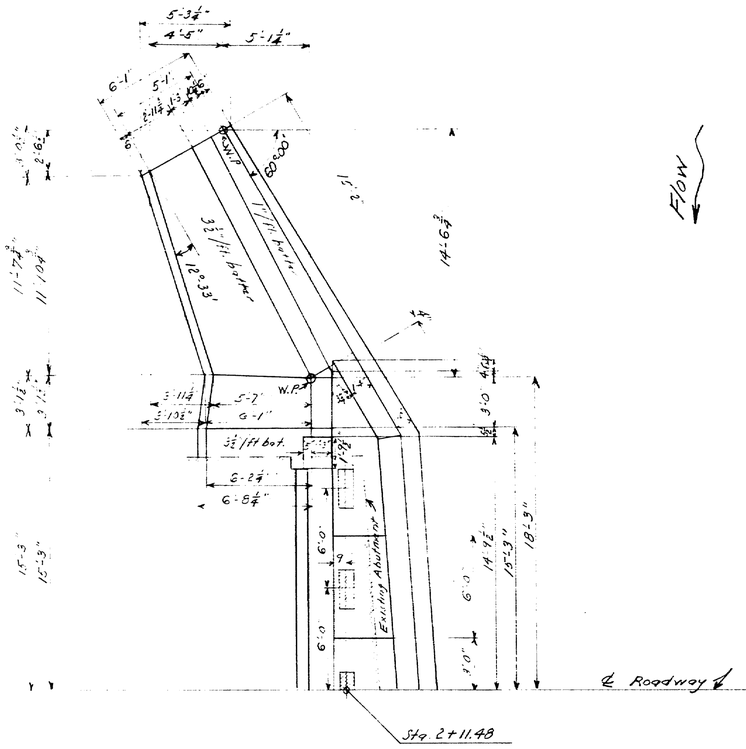
VILLAGE BRIDGE
OVER
SEBASTICOOK RIVER
IN THE TOWN OF
BURNHAM - WALDO CO.
ABUTMENT No. 2.

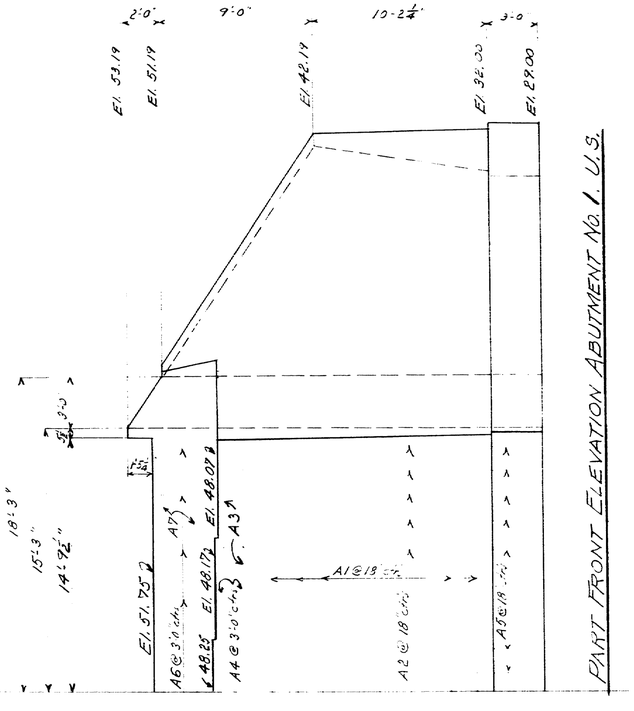
WORK THIS SHEET WITH SH #4

Aug. 49 - Hamilton

47-172







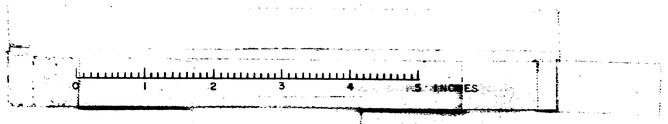
PART FRONT ELEVATION ABUTMENT No. 1. U.S.

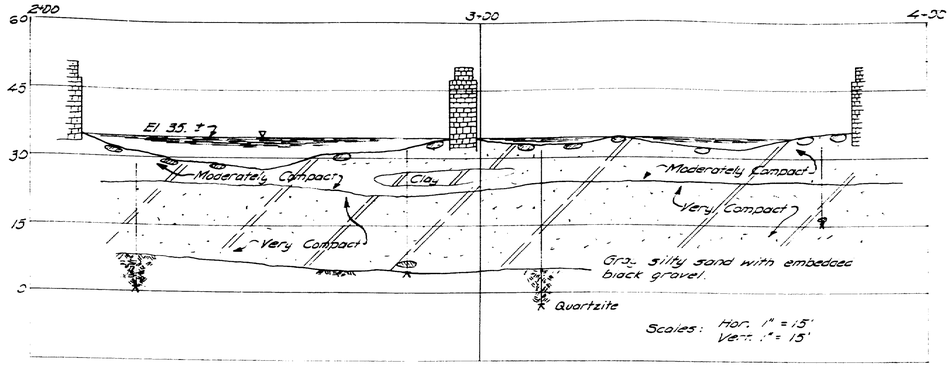
PART PLAN No. 1. ABUTMENT U.S.

VILLAGE BRIDGE
OVER
SEBASTICOOK RIVER
IN THE TOWN OF
BURNHAM - WALDO CO.
ABUTMENT NO. 1.

WORK THIS SHEET WITH SH. #3. Aug. 49 - Hamilt.

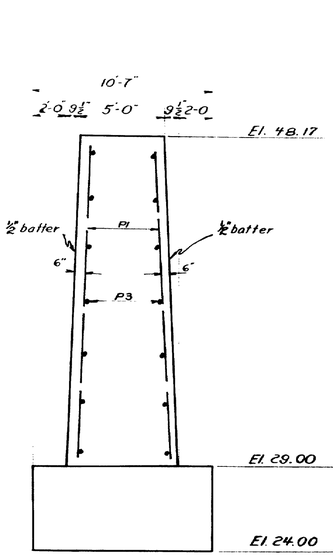
47-173



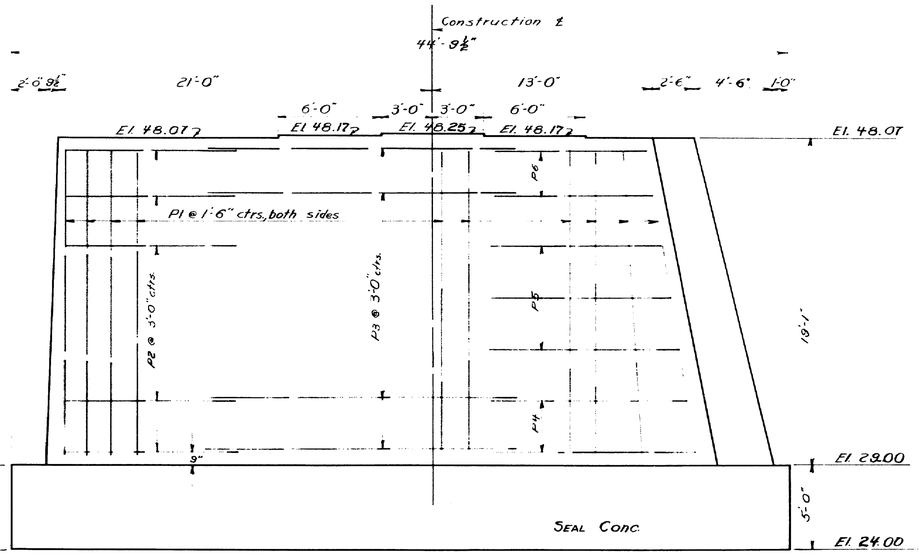


STRATIGRAPHICAL PROFILE

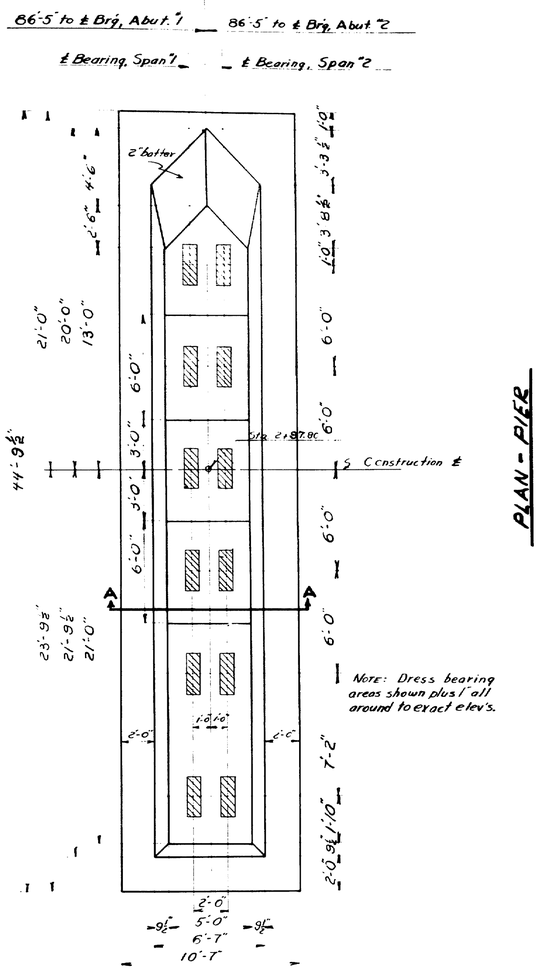
Determined by Wash Borings - Feb. 1949



PIER - SECT. A-A



SIDE ELEVATION - PIER



PLAN - PIER

Note: Dress bearing areas shown plus 1" all around to exact elev's.

DESIGN - L.R.M.
TRACE - L.R.M.
CHECK - L.R.M.

BRIDGE 5257

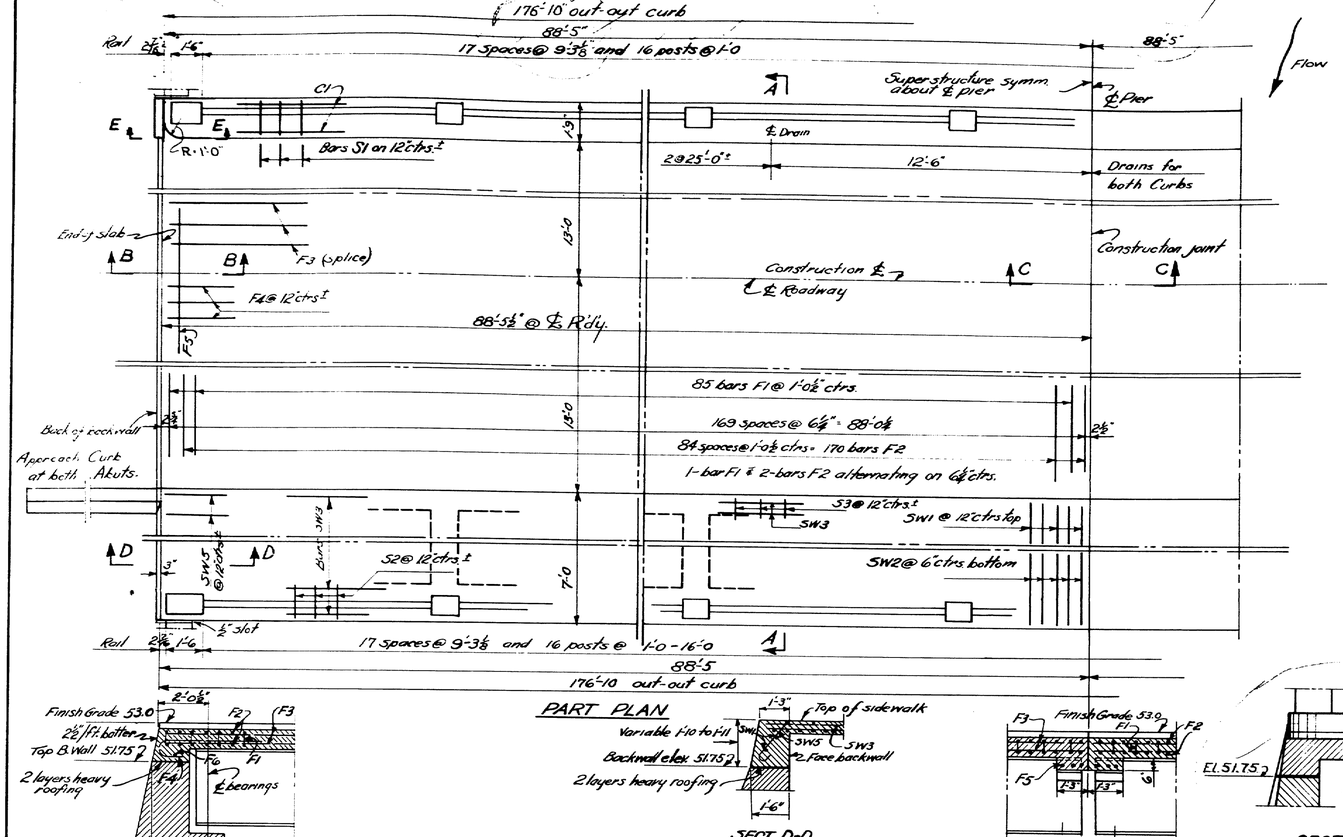
STATE HIGHWAY COMMISSION
BRIDGE DIVISION

VILLAGE BRIDGE
OVER
SEBASTICOOK RIVER
IN THE TOWN OF
BURNHAM
WALDO COUNTY

PIER
SHEET 5 OF 9 AUGUSTA, MAINE JULY 1949

47-174

0 1 2 3 4 5 INCHES



REINFORCING STEEL

Mark	Size	No	Length	Location
F1	⅝" ϕ	170	30'-4"	Slab
F2	⅝" ϕ	340	29'-4"	Slab
F4	½" ϕ	56	5'-1	Slab & B. Wall
P10	¾" ϕ	48	7'-2"	Rdwy. Posts
P11	¾" ϕ	36	8'-10"	S. Walk Posts
S1	½" ϕ	178	5'-9"	Rdwy. Curb
S2	½" ϕ	178	5'-4"	S. Walk Curb
S3	⅜" ϕ	178	3'-9"	S. Walk Curb
H1	⅝" ϕ	24	4'-2"	End Posts
H2	⅝" ϕ	102	3'-2"	Int. Posts
SW2	⅜" ϕ	354	7'-6"	SW. Slab
SW5	½" ϕ	14	6'-2"	" " @ ends
F3	½" ϕ	252	31'-0"	Slab
F5	⅜" ϕ	24	5'-8"	Diaph. of pier
C1	½" ϕ	12	30'-6"	Rdwy. Curb
SW1	⅜" ϕ	180	6'-8"	S. Walk Slab
SW3	⅜" ϕ	66	30'-6"	"
SW4	½" ϕ	54	7'-0"	S. Walk Diaph.
F6	½" ϕ	2	27'-0"	Back Wall
D	½" ϕ	4	1'-6	App. Curbs
P1	¾" ϕ	48	18'-0	Pier
P2	½" ϕ	14	10'-0"	"
P3	½" ϕ	14	18'-0"	"
P4	½" ϕ	4	12'-0"	"
P5	½" ϕ	6	12'-6"	"
P6	½" ϕ	4	9'-6"	"
A1	⅝" ϕ	16	21'-0"	Abutment 1-2
A2	⅝" ϕ	15	15'-6"	1
A3	⅝" ϕ	18	21'-0"	1-2
A4	½" ϕ	16	5'-4"	1
A5	⅝" ϕ	64	3'-0"	1-2
A6	½" ϕ	16	4'-6"	1-2
A7	⅜" ϕ	8	21'-0"	1-2
A8	⅜" ϕ	20	5'-6"	1-2

Bent Bars

Reqd 4600 ☐" of 6"x6" x 42"/0" Wire mesh.

Mark	Size	No	Length	Location
A9	⅝" ϕ	3	13'-0	Abut 1
A12	⅝" ϕ	15	12'-6	" 2
A13	½" ϕ	16	4'-6	" 2
A14	⅝" ϕ	3	12'-0	" 2
W1	⅝" ϕ	2	21'-0	" 1
W2	⅞" ϕ	4	18'0	" 1
W3	⅝" ϕ	4	14'-0	" 1
W4	⅞" ϕ	4	8'-0	" 1
W5	⅞" ϕ	2	5'9	" 1
W6	⅞" ϕ	3	11'3	" 1
W7	½" ϕ	4	17'0	" 1

Mark	Size	No	Length	Location
W8	⅝" ϕ	1	22'3	Abut 1
W9	⅝" ϕ	4	19'3	" 1
W10	⅜" ϕ	3	15'9	" 1
W12	⅝" ϕ	3	12'6	" 2
W13	⅝" ϕ	3	18'0	" 2
W14	⅝" ϕ	4	12'0	" 2
W15	⅜" ϕ	7	6'0	" 2
W16	⅝" ϕ	4	8'0	" 2
W17	⅝" ϕ	4	13'6	" 2
W18	⅝" ϕ	1	22'6	" 2
W19	⅞" ϕ	4	19'6	" 2
K	¾" ϕ	39	8'-8	Abut 1-2
C2	½" ϕ	8	9'-3	App. Curbs

All dimensions are to ℄ of bars

RAIL DETAILS

Concrete Classifications
Class A:- Superstructure & Rail Posts.
Class AA:- Wearing Surface.
Class B:- Pier Shaft & Abutment Wings.
Class XX:- Abutment Jackets.
Class S:- Pier Seal.

Revised Rail - Sept. 8-49 - CQS

DESIGN — V. EVERETT
TRACE — W. CHUTE
CHECK — ℄

BRIDGE — 5257

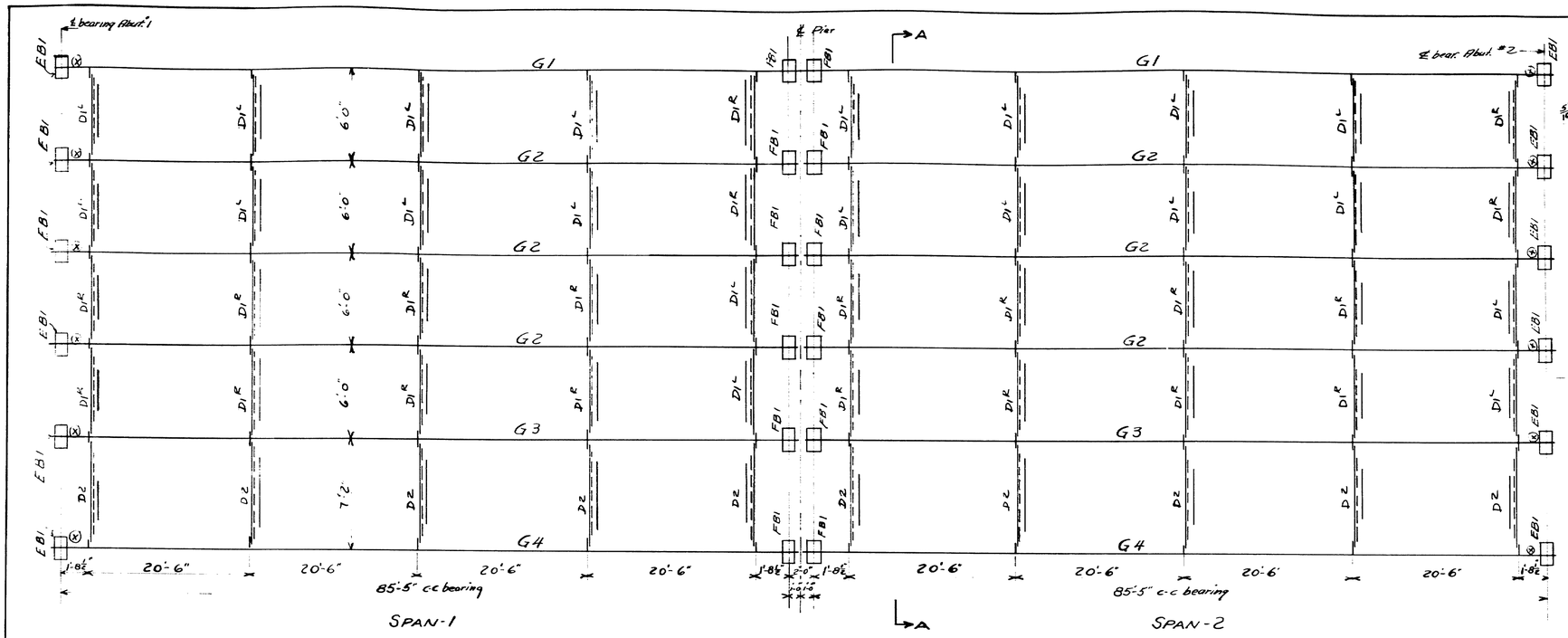
STATE HIGHWAY COMMISSION
BRIDGE DIVISION

VILLAGE BRIDGE
OVER
SEBASTICOOK RIVER
IN THE TOWN OF
BURNHAM
WALDO COUNTY

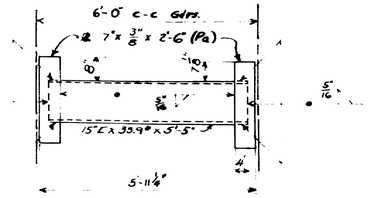
SUPERSTRUCTURE
SHEET 6 OF 9 . AUGUSTA, MAINE JULY, 1949

47-175

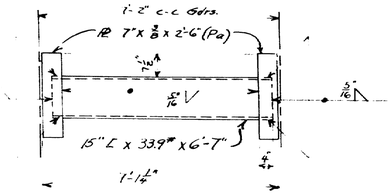
0 1 2 3 4 5 INCHES



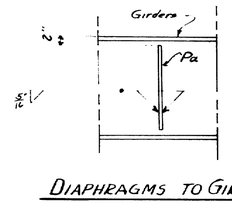
ERECTION DIAGRAM



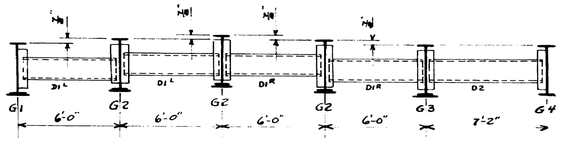
$D1^R$ - as shown - 20 Req'd.
$D1^L$ - opp. - 20 Req'd.



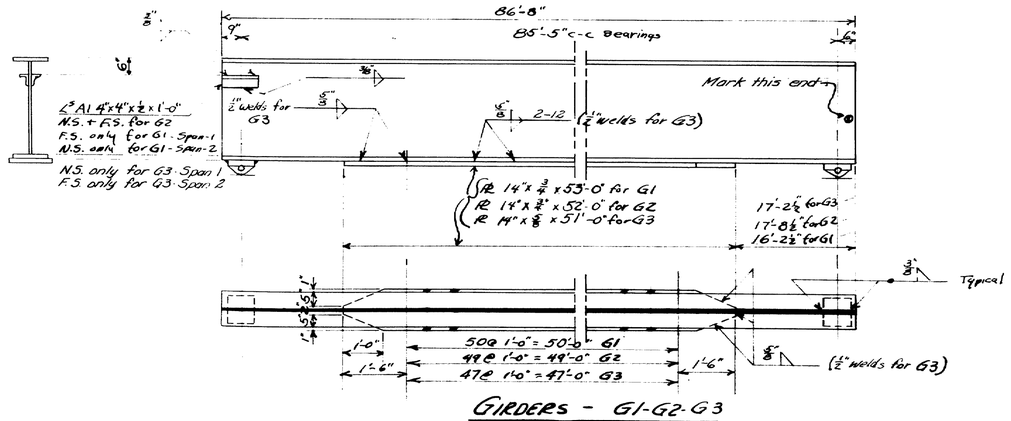
D2 - 10 Req'd.



DIAPHRAGMS TO GIRDERS

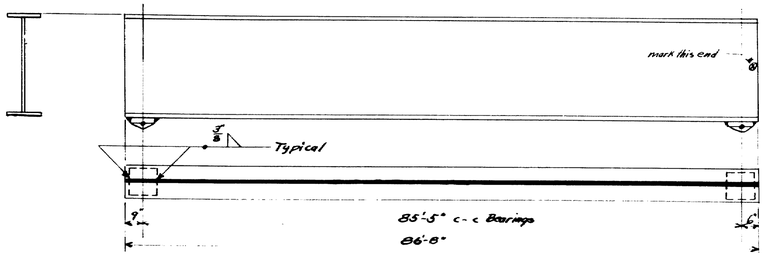


SECT. A-A



GIRDERS - G1-G2-G3

G1 - 36" WF @ 160# x 86'-8" - 2 Req'd. - Camber 4"
G2 - 36" WF @ 150# x 86'-8" - 6 Req'd. - " 4"
G3 - 36" WF @ 170# x 86'-8" - 2 Req'd - " 4"



GIRDER-G4

G4, 36" WF @ 150# x 86'-8" - 2 Req'd. - Camber 4"

SPECIFICATIONS

Maine State Highway Commission, Bridge Division, Specifications for Steel Highway Bridges Nov. 1945.

DESIGN - EVERETT
DETAIL - CLARK
TRACE - L.R.M. CHECK -

BRIDGE - 5257

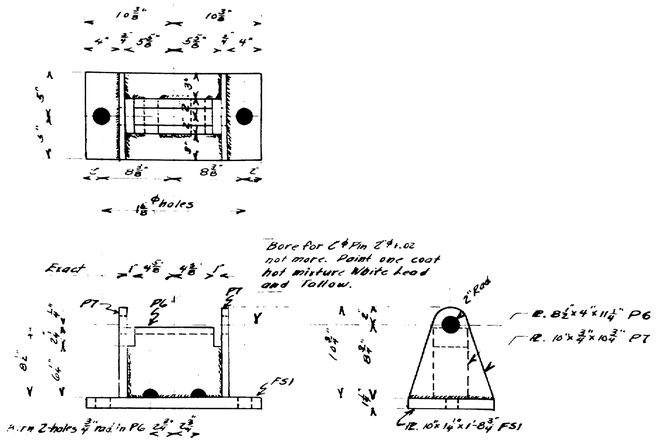
STATE HIGHWAY COMMISSION
BRIDGE DIVISION

VILLAGE BRIDGE
OVER
SEBASTICOOK RIVER
IN THE TOWN OF
BURNHAM
WALDO COUNTY

STRUCTURAL STEEL
SHEET 7 OF 9 AUGUSTA, MAINE JUNE 1949

47-176

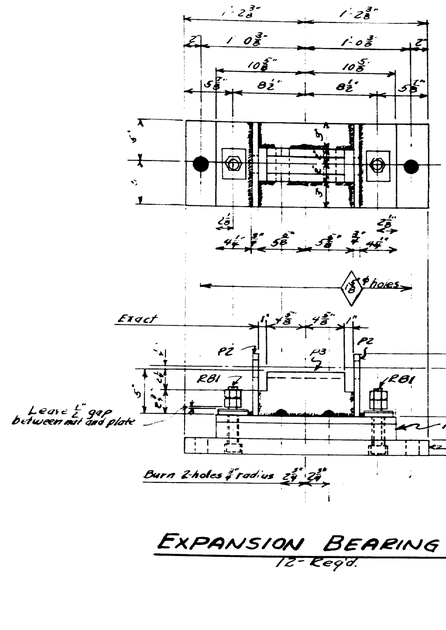
0 1 2 3 4 5 INCHES



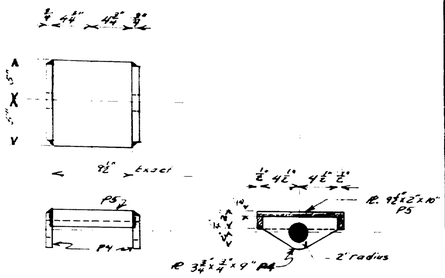
FIXED BEARING FBI
12 - Req'd

1-FS1
1-P6
2-P7
1-B1

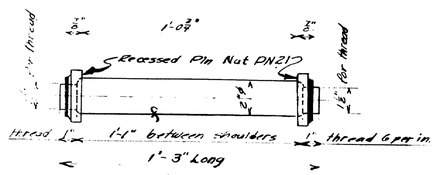
NOTE:—
Paint one shop coat red lead and oil except contact surfaces.
Welds ⅜" Fillets unless otherwise indicated.
Maine State Highway Specifications for Steel Highway Bridges - 1945



EXPANSION BEARING EBI
12 - Req'd.

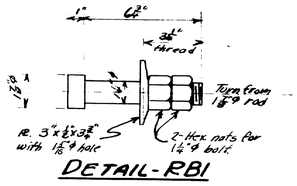


DETAIL OF SOLE PLATE BI

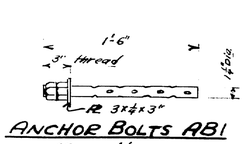


PIN 2"⌀ x 1'-3"
24 Req'd.

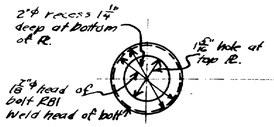
Note: Paint one coat hot mixture, White Lead and Tallow.



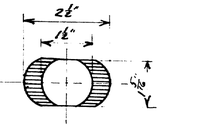
DETAIL - RBI



ANCHOR BOLTS AB1
48 - req'd.



DETAIL OF HOLE IN ES1



DETAIL OF HOLE IN P1

DESIGN – EVERETT	BRIDGE – 5257
TRACE – R.M.R.	
CHECK –	

STATE HIGHWAY COMMISSION
BRIDGE DIVISION

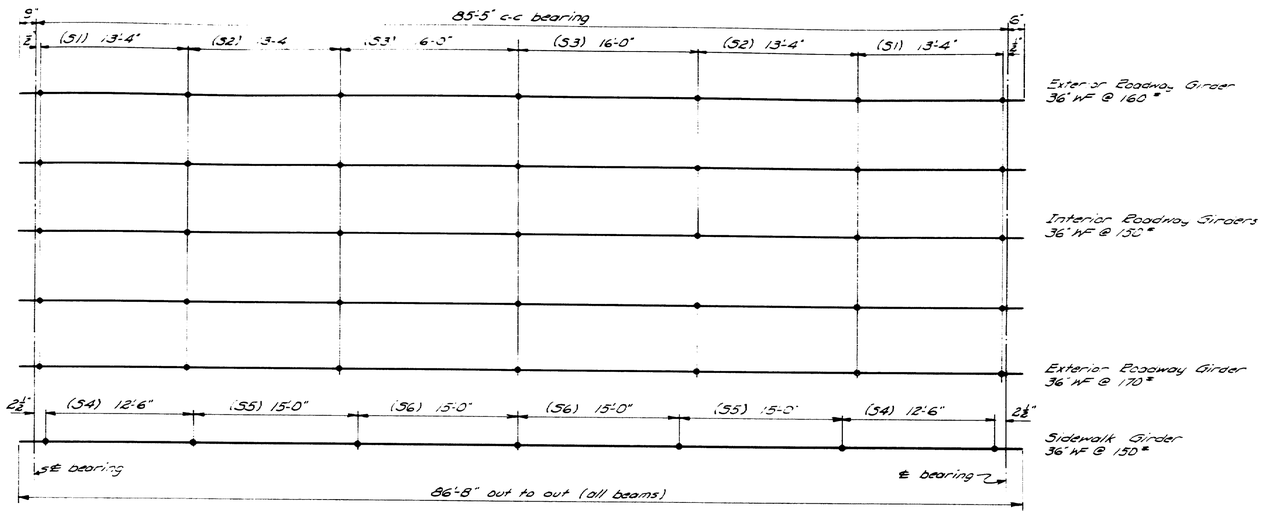
VILLAGE BRIDGE
OVER
SEBASTICOOK RIVER
IN THE TOWN OF
BURNHAM
WALDO COUNTY

STRUCTURAL STEEL

SHEET 8 OF 9 AUGUSTA, MAINE JUNE 1949

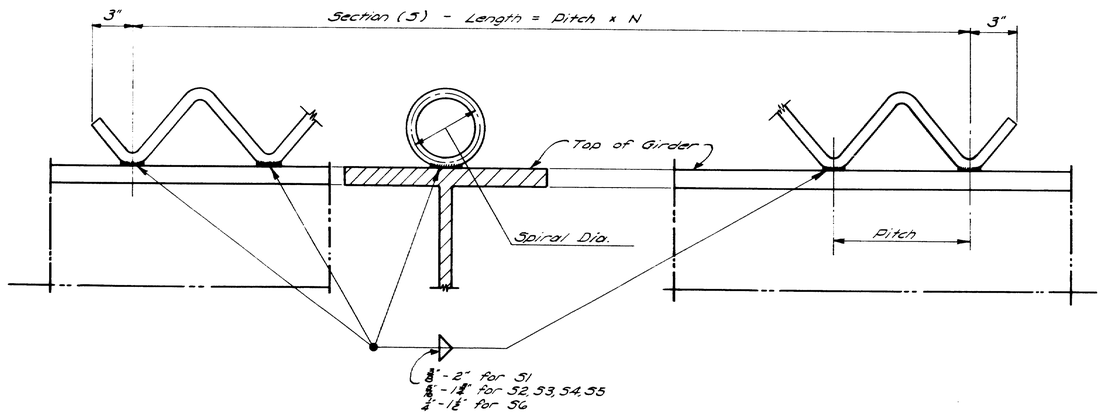
47-177

0 1 2 3 4 5 INCHES



LOCATION - SPIRALS

Spans #1 & #2 are similar



COMPOSITE BEAM SPIRALS

SPIRAL DATA

SECTION	BAR SIZE	NO. REQ'D.	DIAMETER	PITCH	N	LENGTH
S1	⅜"ϕ	20	4"	8"	20	13'-4"
S2	⅜"ϕ	20	4"	8"	20	13'-4"
S3	⅜"ϕ	20	4"	12"	16	16'-0"
S4	⅜"ϕ	4	4"	10"	15	12'-6"
S5	⅜"ϕ	4	4"	15"	12	15'-0"
S6	½"ϕ	4	4"	15"	12	15'-0"

DESIGN - EVERETT
TRACE - CLARK
CHECK - [illegible]

BRIDGE - 5257

STATE HIGHWAY COMMISSION
BRIDGE DIVISION

VILLAGE BRIDGE
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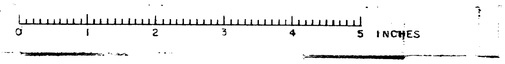
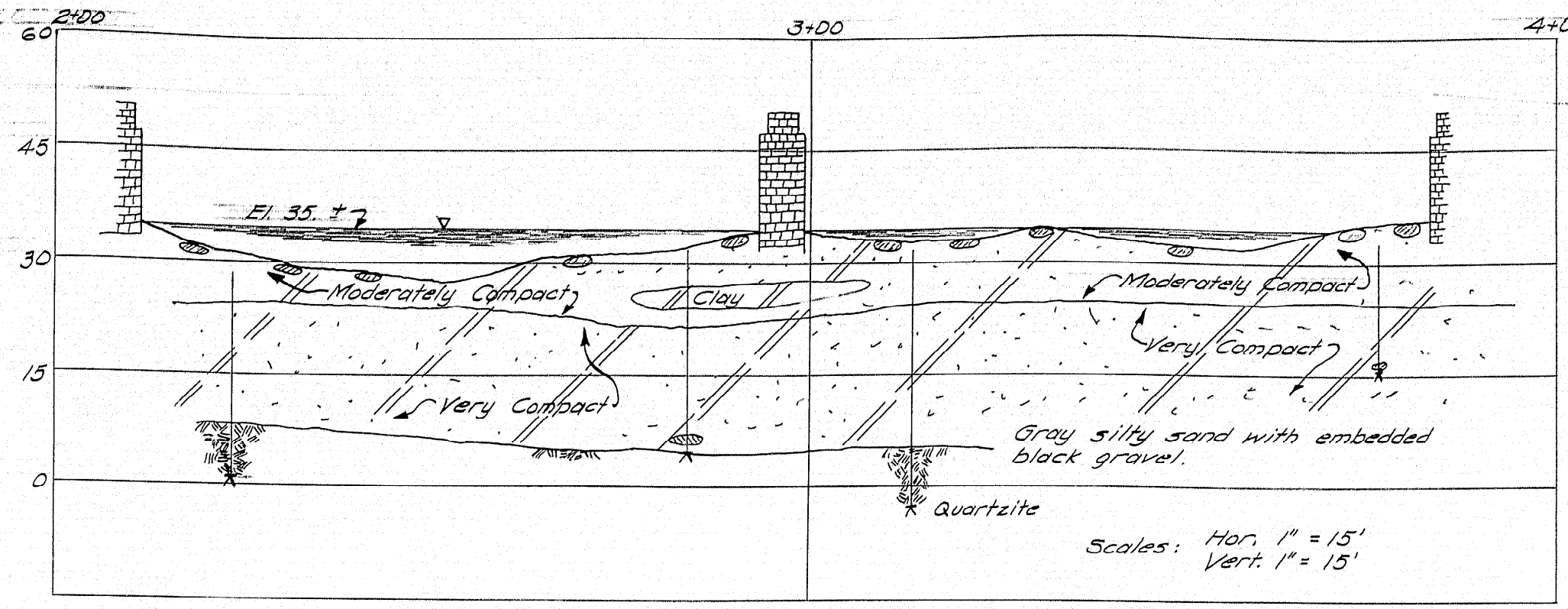
WALDO COUNTY

COMPOSITE BEAM SPIRALS

SHEET 9 OF 9 AUGUSTA, MAINE JUNE 1949

47-178





STRATIGRAPHICAL PROFILE

Determined by Wash Borings - Feb. 1949